

FIG. 1

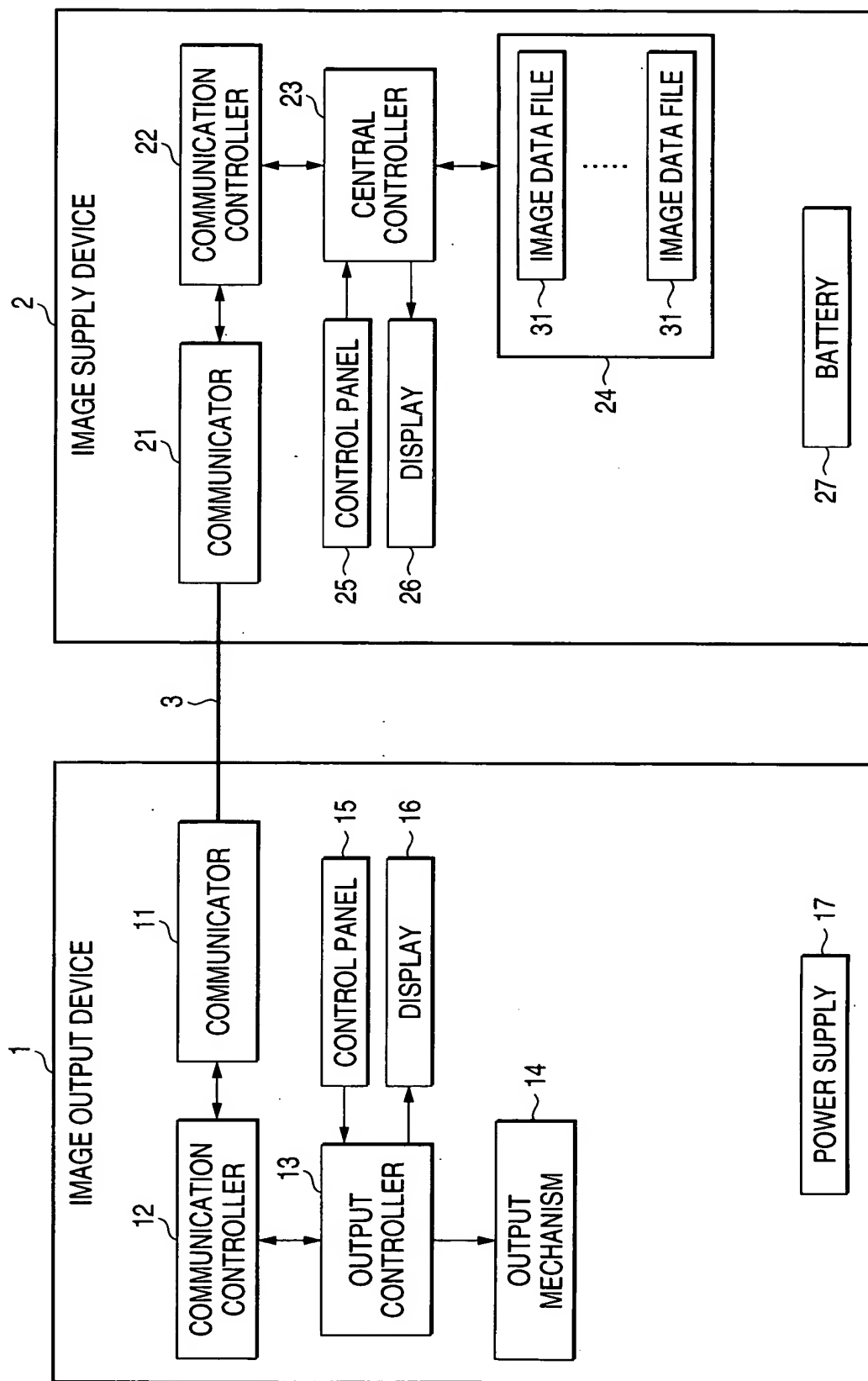
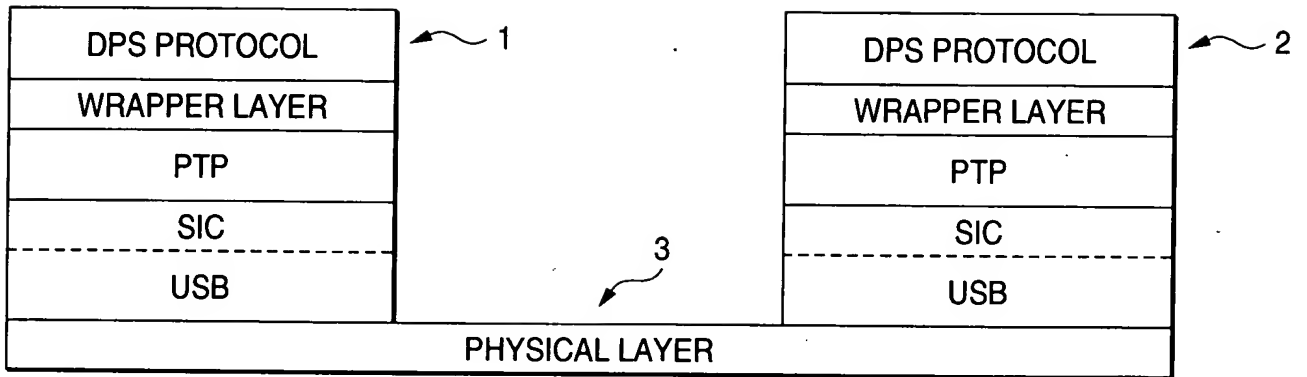


FIG. 2*FIG. 3*

XML COMMAND LIST
DPS_DiscoverService
DPS_Configure
DPS_GetCapability
DPS_GetJobStatus
DPS_GetDeviceStatus
DPS_GetObjectID
DPS_GetFileInfo
DPS_GetFile
DPS_GetPartialFile
DPS_GetFileList
DPS_GetThumb
DPS_StartJob
DPS_AbortJob
DPS_ContinueJob

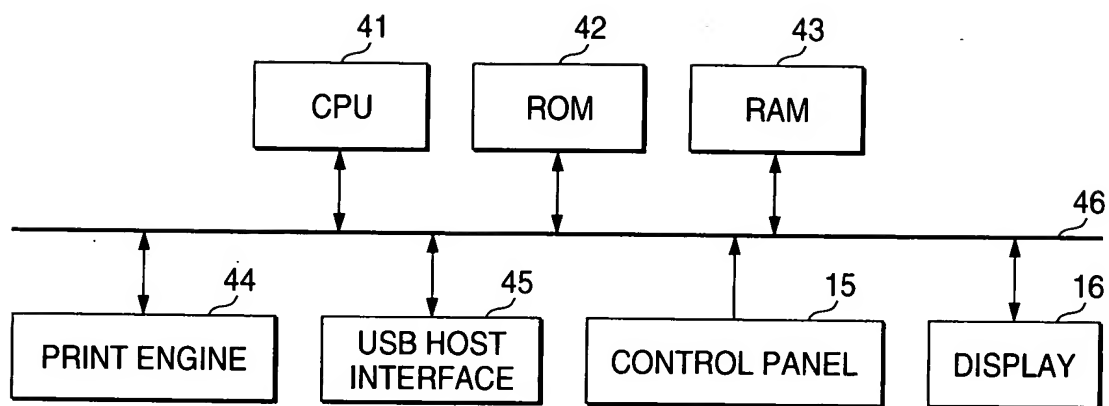
FIG. 4

FIG. 5

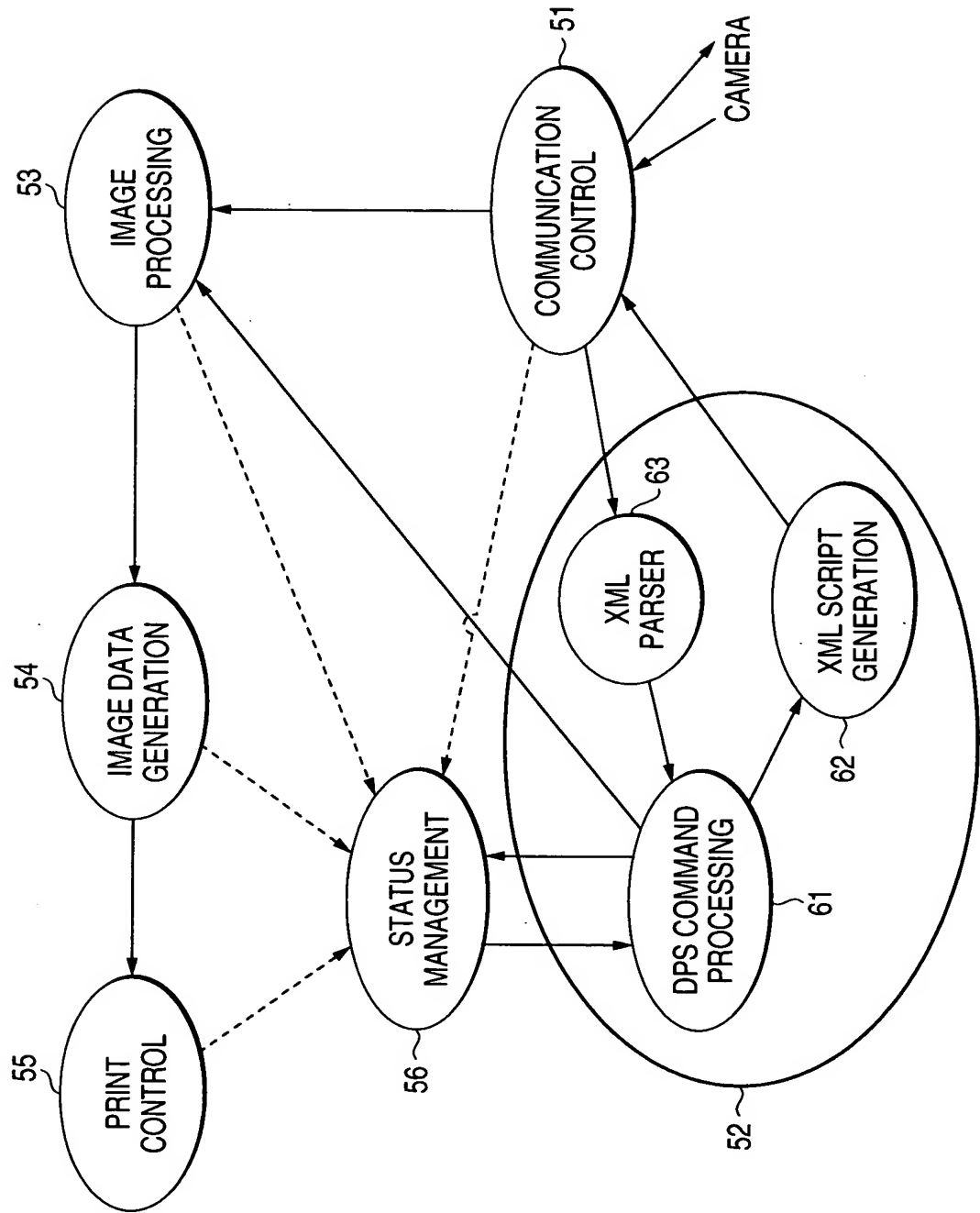


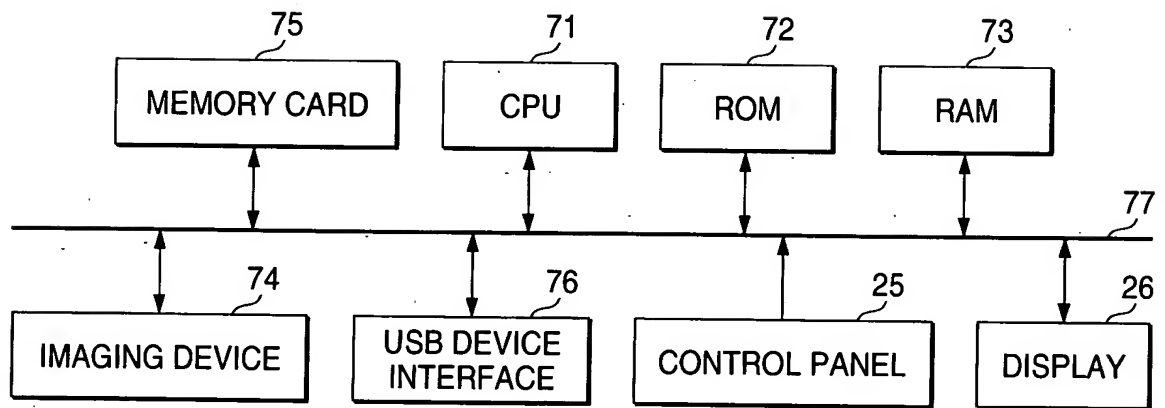
FIG. 6

FIG. 7

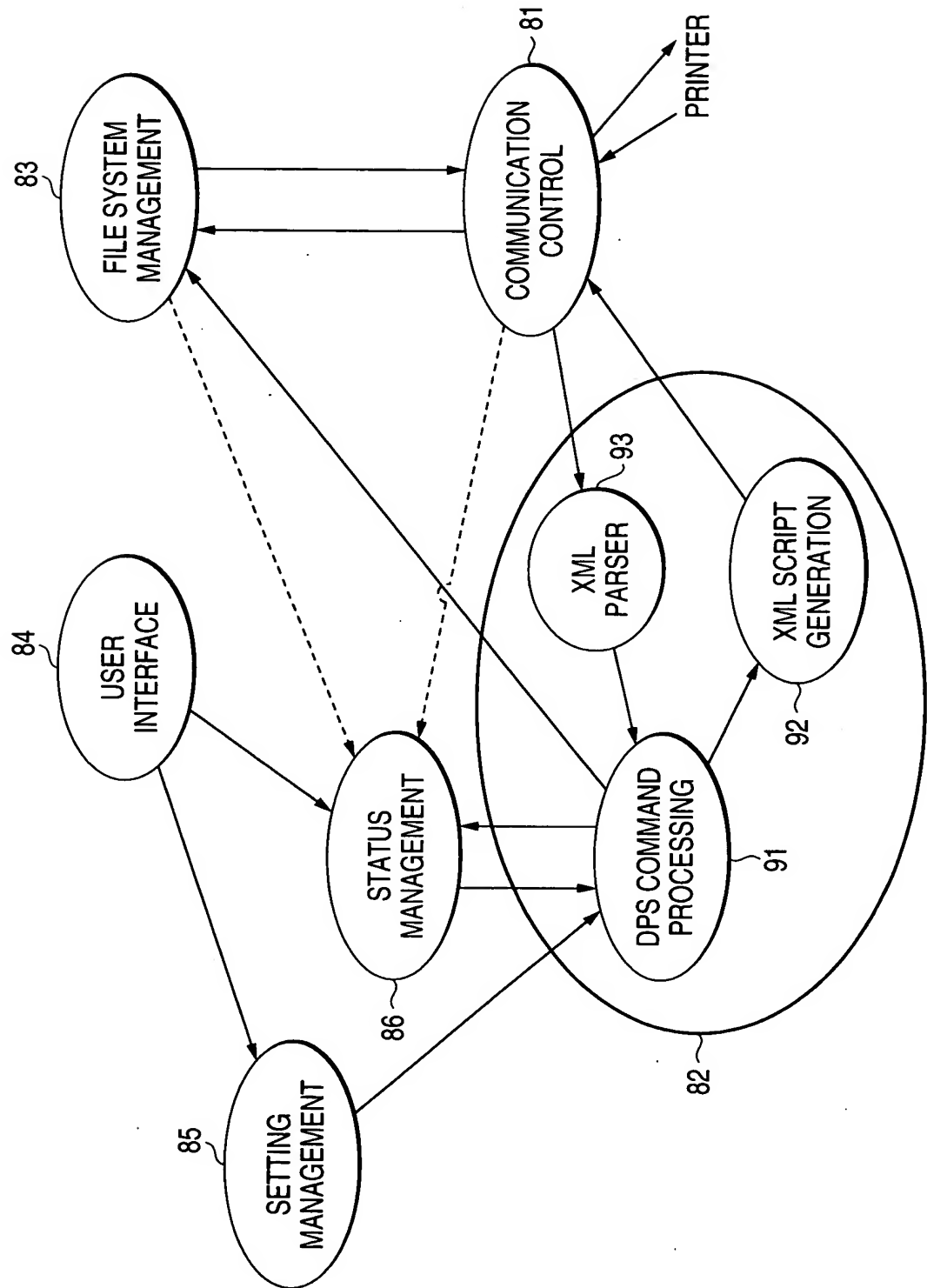


FIG. 8

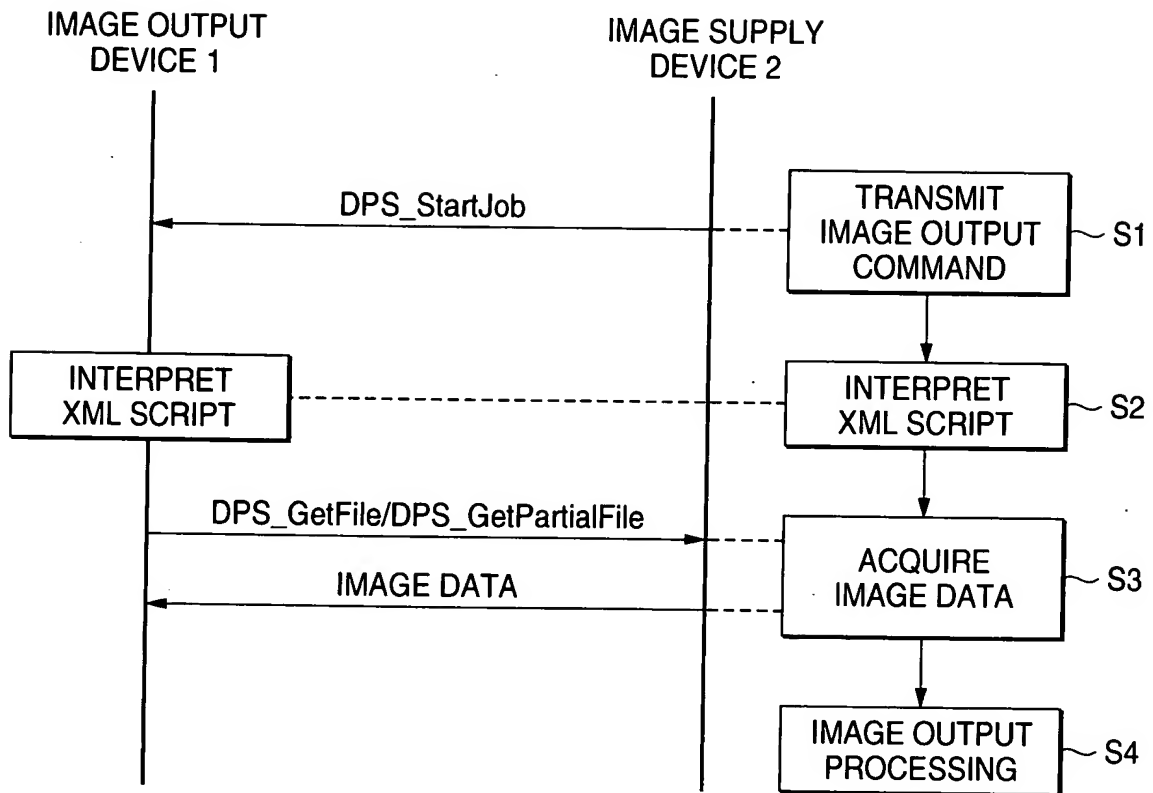


FIG. 9

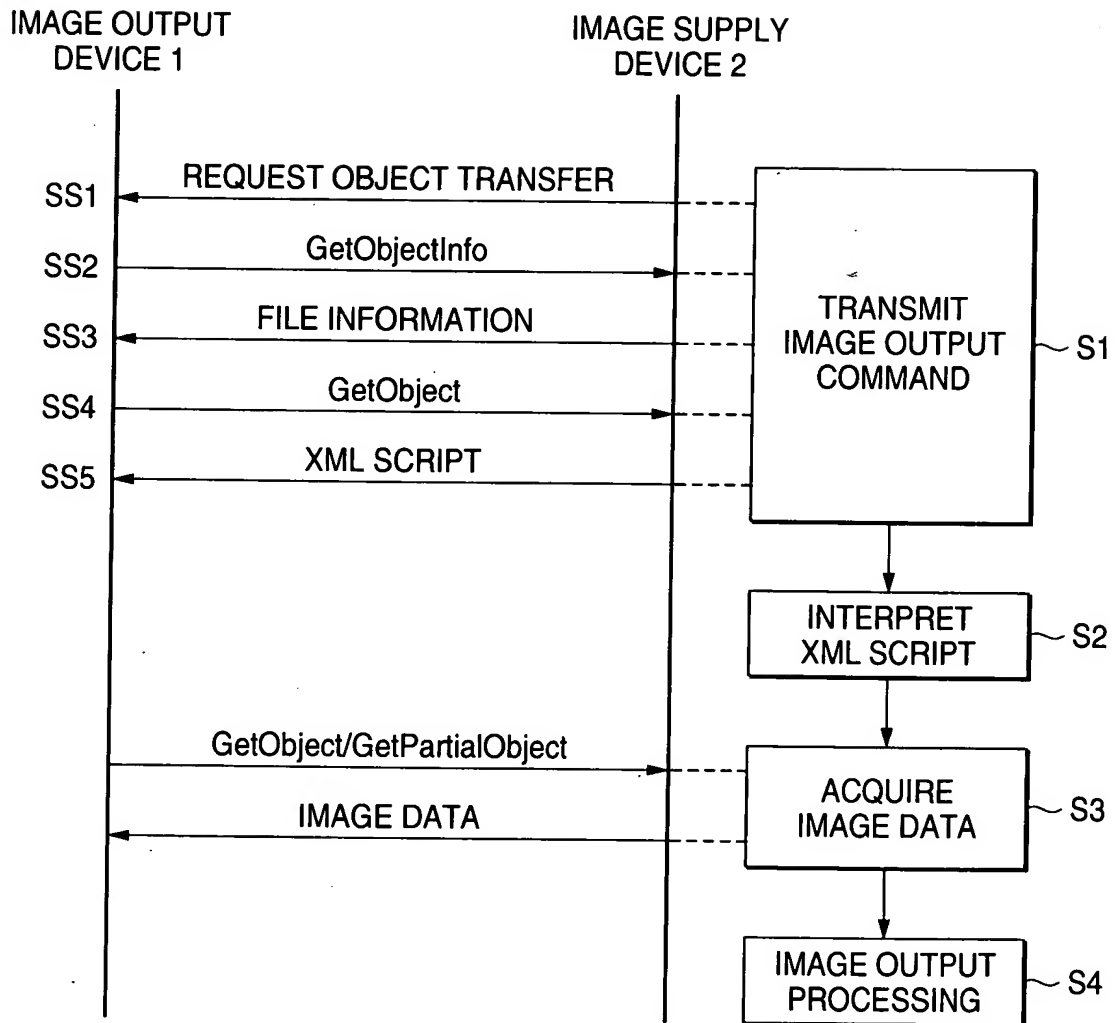


FIG. 10

```

<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <startJobRequest>
    <job>
      <jobConfig>
        <quality>01000000</quality>
        <paperSize>02010000</paperSize>
        <paperType>03020000</paperType>
        <fileType>04150000</fileType>
        <date>05010000</date>
        <fileName>06000000</fileName>
        <imageOptimize>07000000</imageOptimize>
        <layoutItem>08010000</layoutItem>
      </jobConfig>
      <printInfo>
        <image>
          <imageID>00000001</imageID>
          <imageDate>2002/05/30</imageDate>
        </image>
      </printInfo>
    </job>
  </startJobRequest>
</dps>

```

FIG. 11

```

<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <getFileRequest>
    <fileID>00000001</fileID>
    <buffPtr>00100000</buffPtr>
  </getFileRequest>
</dps>

```

FIG. 12

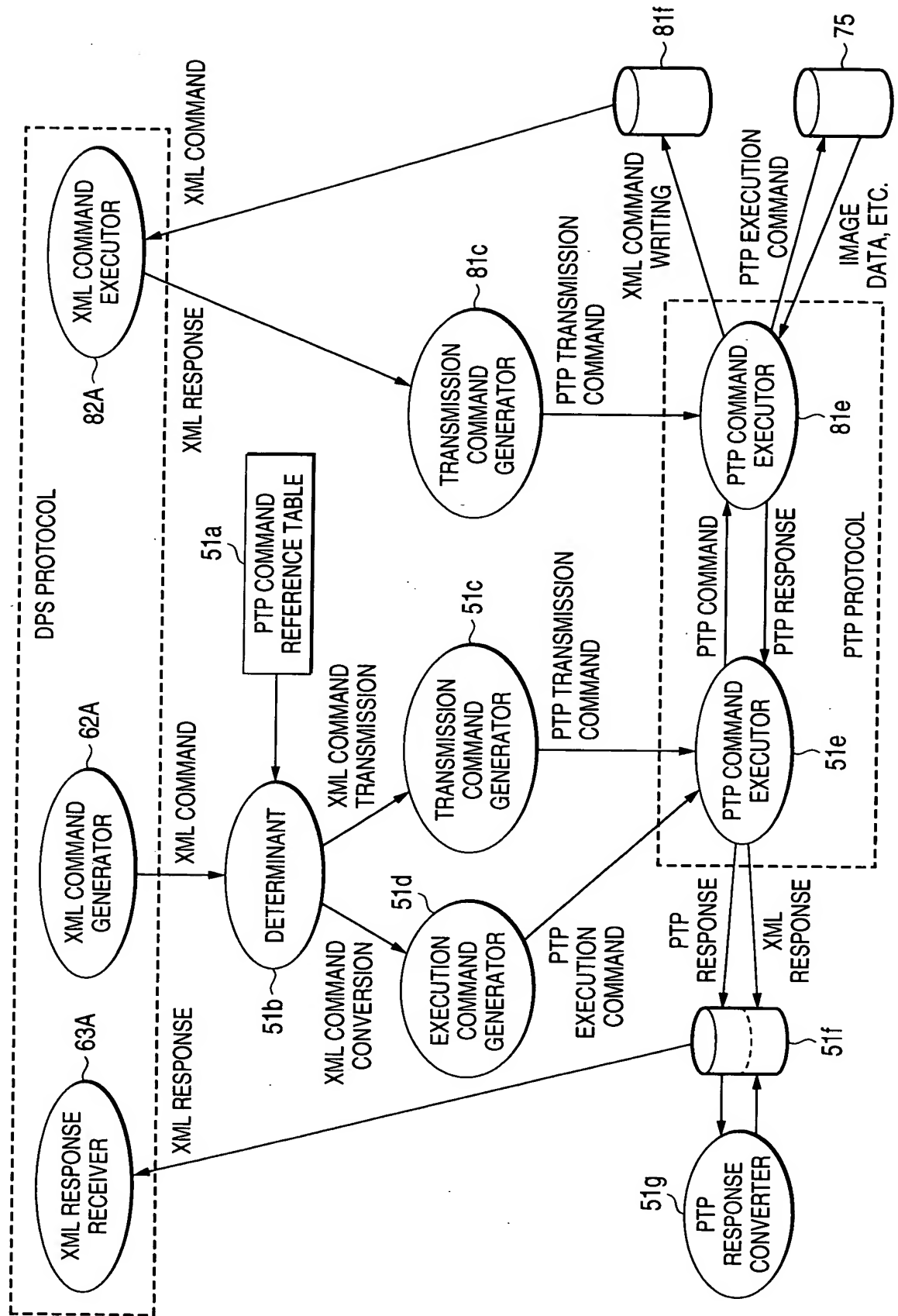


FIG. 13

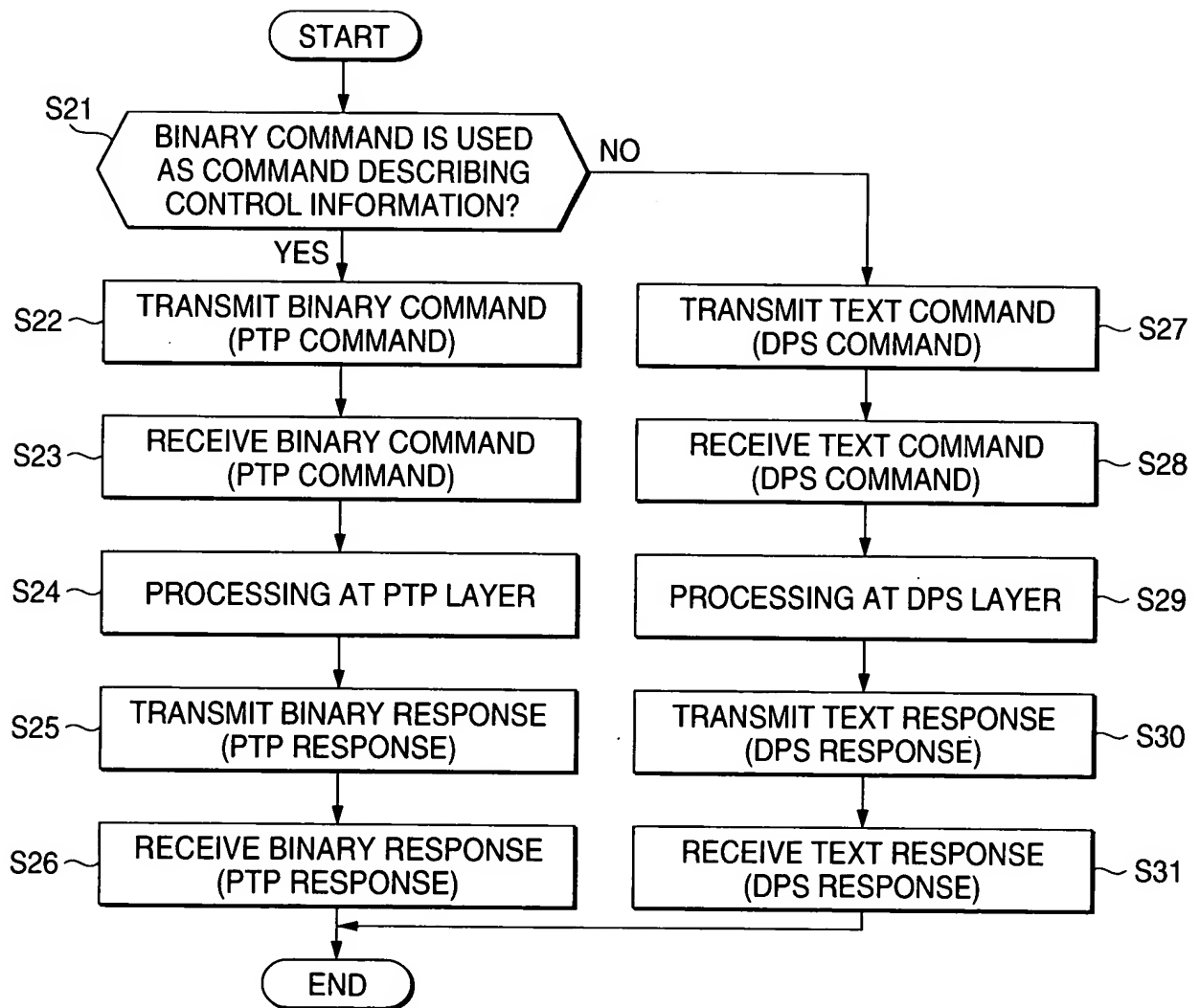


FIG. 14A

```

<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <GetFileInfoRequest>
    <fileID>00000001</fileID>
  </GetFileInfoRequest>
</dps>

```

FIG. 14B

```

ptpObjectHandle ← mapID (fileID)

OperationCode: 0x1008
OperationParameter1: ptpObjectHandle
OperationParameter2: None
OperationParameter3: None

```

FIG. 14C

```

fileType ← ObjectFormat FIELD OF
           OBJECT INFORMATION DATA SET
fileSize ← ObjectCompressedSize FIELD OF
           OBJECT INFORMATION DATA SET

```

FIG. 14D

```

<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <opResult>
    XX000000
  </opResult>
  <getFileInfoResponse>
    <fileType>04000000</fileType>
    <fileSize>1048576</fileSize>
  </getFileInfoResponse>
</dps>

```

FIG. 15

OBJECT INFORMATION DATA SET	
StorageID	0001h
ObjectFormat	3002h
ProtectionStatus	0000h
ObjectCompressedSize	SIZE OF (INPUT OR OUTPUT)
ThumbFormat	0000h
ThumbCompressedSize	00000000h
ThumbPixWidth	00000000h
ThumbPixHeight	00000000h
ImagePixWidth	00000000h
ImagePixHeight	00000000h
ImageBitDepth	00000000h
ParentObject	"IMAGE"
ASSOCIATION TYPE	0000h
ASSOCIATION DESC	00000000h
SequenceNumber	00000000h
Filename	001. JPG
CaptureDate	2003/11/01
ModificationDate	2003/11/01
Keywords	"TEST"

FIG. 16A

```

<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <GetFileRequest>
    <fileID>00000001</fileID>
    <buffPtr>00000001</buffPtr>
  </GetFileRequest>
</dps>

```

FIG. 16B

ptpObjectHandle ← mapID (fileID)

FIG. 16C

```

OperationCode: 0x1009
OperationParameter1: ptpObjectHandle
OperationParameter2: None
OperationParameter3: None

```

FIG. 16D

```

<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <opResult>
    XX000000
  </opResult>
  <GetFileResponse>
    <fileSize>1058576</fileSize>
  </GetFileResponse>
</dps>

```

FIG. 17A

```

<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <GetFileListRequest>
    <fileType>04000000</fileType>
    <ParentObject>00000001</ParentObject>
  </GetFileListRequest>
</dps>

```

FIG. 17B

ObjectFormatCode ← ObjectFormatID (fileType)

FIG. 17C

```

OperationCode: 0x1007
OperationParameter1: StorageID
OperationParameter2: [ObjectFormatCode]
OperationParameter3: ObjectHandle OF FOLDER, ETC.
                     REQUESTING CHILD OBJECT LIST

```

FIG. 17D

```

<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <GetFileResponse>
    <imageIDs>00000001 00000002 00000003</imageIDs>
    <numIDs>3</numIDs>
  </GetFileResponse>
  <opResult>
    XX000000
  </opResult>
</dps>

```

FIG. 18A

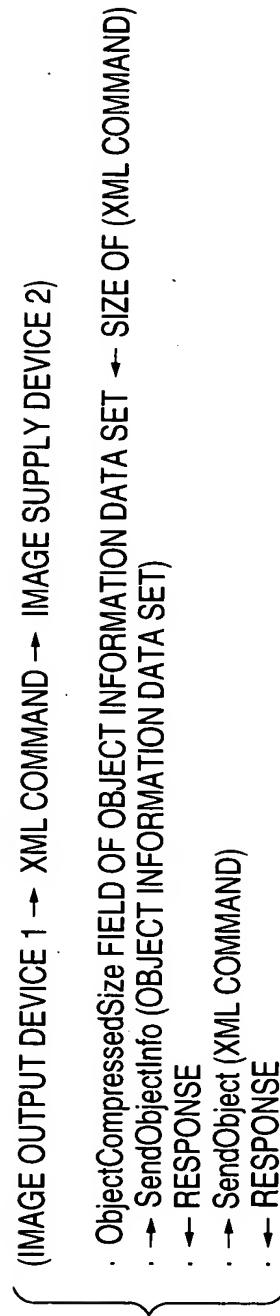


FIG. 18B

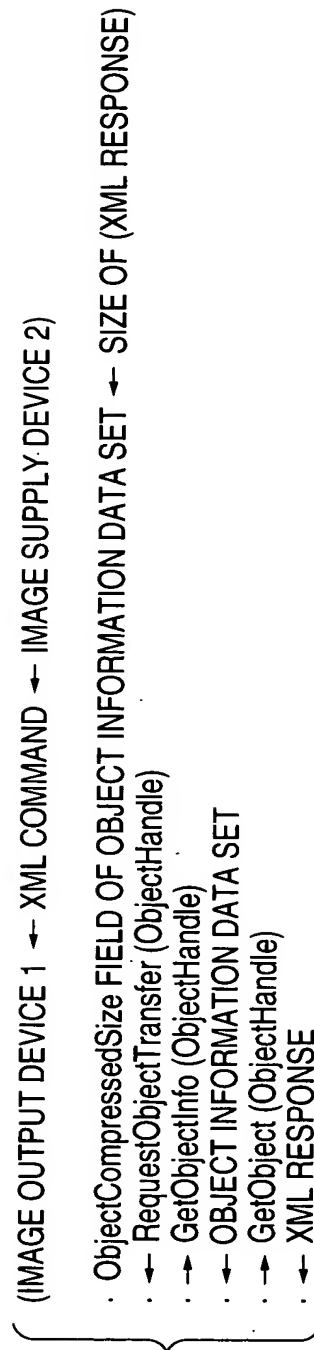


FIG. 19A

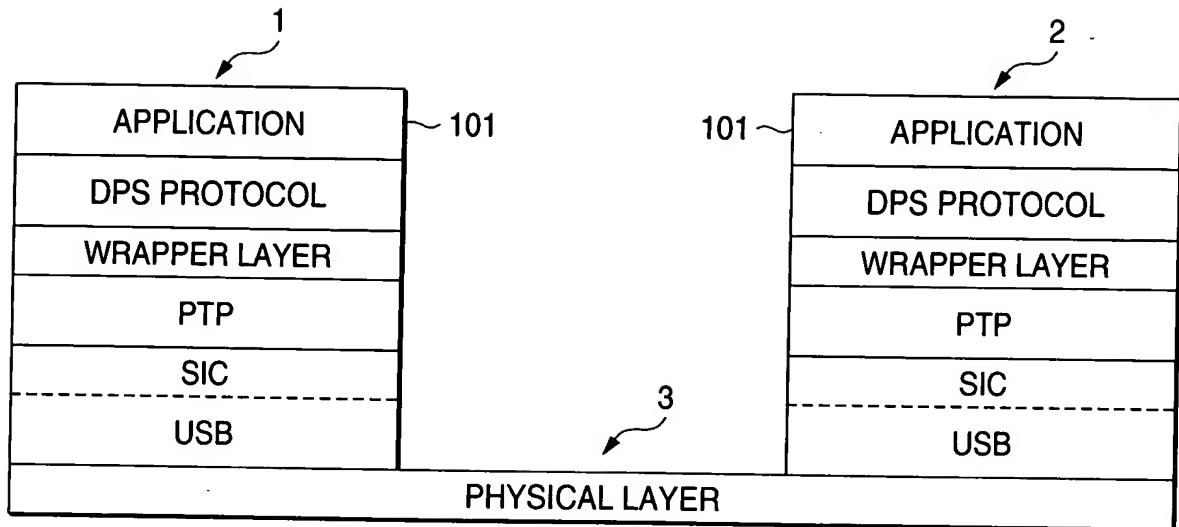


FIG. 19B

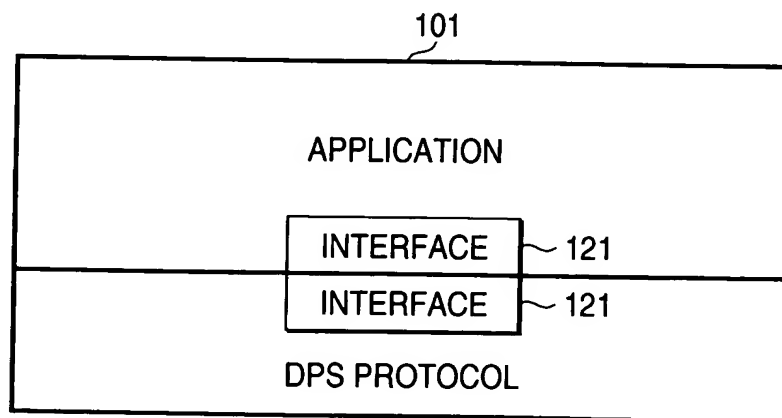


FIG. 20

